file SAFE
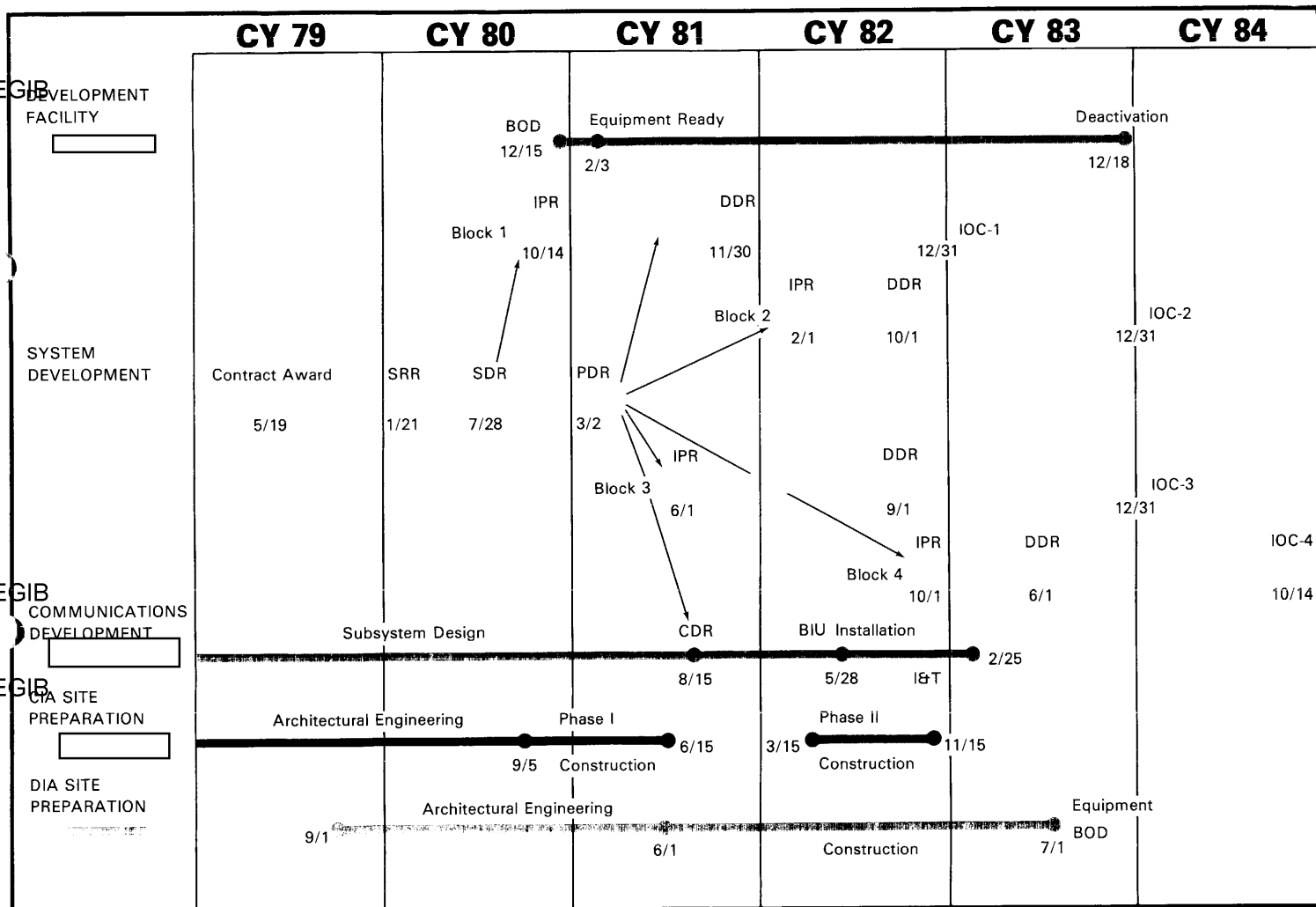
SAFE STEERING COMMITTEE	7 August 1981
AGENDA	

I. PROGRESS OVERVIEW

II. DEVELOPMENT STATUS

III. CONCERNS AND RELATED ACTIONS

IV. FINANCIAL STATUS

V. PROGNOSIS

CONSOLIDATED SAFE DEVELOPMENT SCHEDULE

(REVISED FOR BLOCK APPROACH)

4 November 1980

	CY 79	CY 80	CY 81	CY 82	CY 83	CY 84

ILLEGIB

DEVELOPMENT FACILITY

BOD 12/15

Equipment Ready 2/3

Deactivation 12/18

SYSTEM DEVELOPMENT

IPR Block 1 10/14

DDR 11/30

IOC-1 12/31

IPR 2/1

DDR 10/1

Block 2

IOC-2 12/31

Contract Award 5/19

SRR 1/21

SDR 7/28

PDR 3/2

IPR Block 3 6/1

DDR 9/1

IOC-3 12/31

IPR Block 4 10/1

DDR 6/1

IOC-4 10/14

ILLEGIB

COMMUNICATIONS DEVELOPMENT

Subsystem Design

CDR 8/15

BIU Installation 5/28 I&T

2/25

ILLEGIB

CIA SITE PREPARATION

Architectural Engineering

Phase I 6/15

9/5 Construction

Phase II 3/15 11/15

Construction

DIA SITE PREPARATION

Architectural Engineering 9/1

6/1

Construction

Equipment BOD 7/1

MILESTONES PASSED

o   PRELIMINARY DESIGN REVIEW   -   MARCH

o   INCREMENT 1 AND 2 REVIEWS   -   MARCH/APRIL

o   A SPEC. BASELINE APPROVAL   -   APRIL

o   CABLE INSTALLATION COMPLETE   -   MAY

o   CRR II   -   JUNE

o   CRYPTO MODULE CDR   -   JUNE

o   USER LANGUAGE DEFINITION   -   JUNE

o   BLOCK 3 IPR   -   JULY

SAFE

UPCOMING MILESTONES

CIA SITE COMPLETE	AUG 1981
WBCS CDR	SEP 1981
COMPUTER INSTALLED	OCT 1981
REVISED DEVELOPMENT PLAN	OCT 1981
BLOCK 3 IPR-2	OCT 1981
BLOCK 1 IDR	NOV 1981
BLOCK 3 IDR	MARCH 1982

COMMUNICATIONS

o WBCS CABLE INSTALLED   – BALANCING IN PROGRESS

o PIU   – LETTER CONTRACT TO BURROUGHS
                                 – PDR JULY   – DATA RATE SPEC.
                                 – CDR SEPTEMBER

o BIU   – CDR NOVEMBER
                                 – COST

o CRYPTO   – CDR ON CM AT MOTOROLA
                                 – CIK PLANNED
                                 – COST

SITE PREPARATION STATUS

o   PHASE I RENOVATION   - 15 August 1981

o   PHASE II RENOVATION   - January 1982 to October 1982

o   FIRST B6900 COMPUTER INSTALLED - 15 October 1981

o   INITIAL STAFFING OF OPERATIONS -   March 1981

CONVERSION REQUIREMENTS REVIEW (CRR-2)

o JUNE 1981

- TRW/CSPO/DIA INTEL ANALYSTS (WASH D.C.)

o SAFE-D IOC DATA BASES

- TARGETING
- ORDER OF BATTLE
- COLLECTION MANAGEMENT
- LIBRARY SUPPORT

o DATA COLLECTION COMPLETE

- FILE
- PROGRAM
- PRODUCT

o OPERATIONAL WORKSHOPS - 4 DAYS OF CRR

- DATA BASE DESIGN. ISSUES
- CLARIFY FUNCTIONAL/SYSTEM REQUIREMENTS

o CSPO/TRW ACTION ITEMS

SAFE USER LANGUAGE (SUL)

o VALIDATED LANGUAGE FUNCTIONALITY — JUNE

o CURRENTLY REVIEWING LANGUAGES:
  - COMMAND DESCRIPTION
  - SYNTAX
  - SEMANTICS
  - CONSOLIDATION (COMMAND/PARAMETERS)

o PROTOTYPE USER MANUAL — JULY

o DISKETTES (SUL SIMULATION)

o CONTRACT SUPPORT
  - MITRE
  - LOGICON (OSD)

PRELIMINARY DESIGN REVIEW

OBJECTIVE: OVERALL SYSTEM DESIGN REVIEW TO THE
              SOFTWARE "UNIT" LEVEL

SUMMARY :   NOT MET. MAJOR ELEMENT MISSING.
              NO "SHOW STOPPERS"

ACTIONS :   1. MANAGEMENT REVIEW
              2. TECHNICAL AUDIT
              3. PROCESS DESIGN DOCUMENT
              4. PROJECT PERSONNEL CHANGES

CONCERNS AND RELATED ACTIONS

o   SCHEDULE SLIPPAGE

o   SOFTWARE DEFINITION

o   PLANNING

o   COMMUNICATIONS

o   MANAGEMENT

TRW KEY ISSUES

o SOFTWARE DESIGN
- STRUCTURE
- DEFINITION
- FSM

o SOFTWARE DEVELOPMENT MANAGEMENT
- SENIOR DESIGNERS
- TOP MANAGEMENT
- GOOD TECHNICIANS & MID MANAGERS

o PLANNING
- RESOLUTION
- RIGOR

o ORGANIZATION AND MANAGEMENT
- CENTRAL DESIGNER
- PROXIMITY
- TECHNICAL LEADERSHIP

o PDR -
- UNSUCCESSFUL

Next 1 Page(s) In Document Exempt

SAFE

BLOCK 1
FUNCTIONAL GROWTH

- INCREMENT 2.5 ("DAY ONE")

    o BASIC SYSTEM SOFTWARE

    o PMO (EQUIVALENT OF
           NFAC's CURRENT
           PILOT MAIL
           OPERATION)

- INCREMENT 3 (BY END OF BLOCK 1)

    o DOCUMENT FILE

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SAFE

BLOCK 1
POPULATION GROWTH

- "DAY ONE"

    30 TERMINALS

    60 USERS

- ADD PER MONTH

    30 TERMINALS TO 230

    60 USERS TO 460

- CONVERSION, TRAINING, ETC.

    AS APPROPRIATE

CHANGE CONTROL

o   ERROR CORRECTION - EARLY BLOCKS

o   REQUIREMENTS CHANGES

o   IMPACT

CONTRACTOR   RELATIONSHIP

o   HOLD   CRITICISM

o   HOLD   DESIGNERS

o   RESOLVE   SCOPE

o   MEASURE PROGRESS

PROGNOSIS

o CONSISTENT PROGRESS

    - TECHNICAL LEADERSHIP

o RIGOROUS PLANNING

    - MANAGEMENT INVOLVEMENT

o BLOCK 1 ON SCHEDULE BUT RISKY

    - DOWN LINE IMPACT

o COST GROWTH OF $7-12 M

    - '83/'84

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SAFE

JULY VISITS TO TRW

D/DIA   –   CONTINUITY

                      DIA INTEREST

DCI   –   DELIVER ON TIME

                      ANALYST SATURATION